

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 (currently amended). A method of stabilizing adherence of a ceramic layer to a bond coat of a TBC system, comprising incorporating silicon into the bond coat and maintaining cobalt present in said bond coat at a level of 0-5 wt%.

2 (original). A method according to claim 1 wherein said bond coat comprises MCrAlY, wherein M is selected from the group consisting of nickel, cobalt, iron and mixtures thereof.

3 (original). A method according to claim 1 wherein chromium is present in an amount of 3-40 wt%.

4 (original). A method according to claim 1 wherein chromium is present in an amount of 5-30 wt%.

5 (original). A method according to claim 1 wherein aluminum is present in an amount of 3-30 wt%.

6 (original). A method according to claim 1 wherein aluminum is present in an amount of 5-20 wt%.

7 (original). A method according to claim 1 wherein yttrium is present in an amount of 0.1-8 wt%.

8 (original). A method according to claim 1 wherein yttrium is present in an amount of 0.1-5 wt%.

9 (original). A method according to claim 1 wherein silicon is present in an amount of 0.3-5.0 wt%.

10 (original).. A method according to claim 1 wherein silicon is present in an amount of 0.5-4.0 wt%.

11 (previously presented).. A method according to claim 1 wherein cobalt is present in an amount of 0- 3 wt%.

12 (original). A method according to claim 11 wherein cobalt is present in an amount of 0-1 wt%.

13 (original). A method according to claim 1 wherein nickel is present in an amount of 15-45 wt%.

14 (original). A method according to claim 1 wherein nickel is present in an amount of 20-40 wt%.

15 (previously presented). A gas turbine component comprising a TBC system having a metallic bond coat and a ceramic layer, said bond coat comprising silicon, and cobalt at a level of 0-5 wt%.

16 (previously presented). A gas turbine component according to claim 15, wherein said silicon is present in an amount of 0.5 -5 wt%.

17 (previously presented). A gas turbine component according to claim 15, wherein said cobalt is present in an amount of 0 to 3 wt%.